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,	Application No.	Applicant(s)	
Notice of Allowability	10/080,064 Examiner	STAKER ET AL. Art Unit	
,	MOHAMMAÐ Y SIKDER	2872	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL ³ -85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to ex. interview on 277/0 2. The allowed claim(s) is/are 1-17 and 19-29.	(OR REMAINS) CLOSED in or other appropriate commedites. This application is and MPEP 1308.	n this application. If not include nunication will be mailed in due o	d ourse. THIS
 The drawings filed on 19 February 2002 are accepted by the decimal of the second of the		or (f).	
 Certified copies of the priority documents have 	been received.		
2. Certified copies of the priority documents have			
 Copies of the certified copies of the priority doc International Bureau (PCT Rule 17.2(a)). 	cuments have been receive	ed in this national stage applicati	on from the
5. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). (a) The translation of the foreign language provisional application has been received. 6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No. (b) including changes required by the proposed drawing correction filed find the proposed drawing correction filed find the Notice action of Paper No. (c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back)			
of each sheet. The drawings should be filed as a separate paper 9. DEPOSIT OF and/or INFORMATION about the depos	with a transmittal letter addi	ressed to the Official Draftspersor	i.
attached Examiner's comment regarding REQUIREMENT F∵R TI			ole tile
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449), Paper No. 2. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4⊠ Intervie 6⊠ Examin	of Informal Patent Application (P w Summary (PTO-413), Paper N er's Amendment/Comment er's Statement of Reasons for A	lo. <u>3</u> .

Art Unit: 2872

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes
and/or additions be unacceptable to applicant, an amendment may be filed as
provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST
be submitted no later than the payment of the issue fee.
Authorization for this examiner's amendment was given in a telephone
interview with Mr. Kenneth Allen or 2/7/03.

The application has been amended as follows:

(a) cancel claims 18,

substrate to said gimbal.

علی amend claim 1 as follows:

1. (Amended) A double-gimbaled micromachined mirror structure for parallel-plate electrostatic operation, said mirror structure comprising:

a substrate of a micromirror array with embedded electrostatic electrodes;

a mirror in said array of said substrate;

a gimbal around saic mirror; and

a plurality of folded longitudinal gimbal hinge structures such that a plurality of torsional hinge elements are disposed in parallel orientation to the axis of rotation of each hinge structure, said folded longitudinal gimbal hinge structures being disposed at four positions on a gimbal ring, a first pair of said folded longitudinal gimbal hinge structures connecting said mirror to said gimbal and a second pair of said folded longitudinal gimbal hinge structures connecting said

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REASONS FOR ALLOWANCE

The following is an Examiner's Statement of Reasons for Allowance:

Art Unit: 2872

The claims are allowable over the prior art for at least the reason that the prior art fails to reasonably teach or suggest a plurality of folded longitudinal gimbal hinge structures such that a plurality of torsional hinge elements are disposed in parallel orientation to the axis of rotation of each hinge structure, said folded longitudinal gimbal hinge structures being disposed at four positions on a gimbal ring as set forth in the claimed combination.

28.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONTACT INFORMATION

Papers related to this application may be submitted to Group 2870 by facsimile transmission. Papers should be faxed to Group 2870 via the PTO Fax center located in the Crystal Plaza 4. Faxing of such papers must conform with the notice published in the official Gazette, 1096 OG 30 (November 15, 1989). The CP-4 Fax Center number is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application should be directed to M. Sikder whose telephone number is (703) 305-5471.

MOHAMMAD SIKDEH February 19,12003 EXAMINER